

GLOBAL INVESTOR SERVICES

Chase Trader Pro

User's Guide



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1 A Quick Tour of Chase Trader ProSM

Welcome to Chase Trader Pro, an application which runs on the Chase InsightSM platform. Chase Trader Pro allows you to buy and sell foreign currency.

This guide is intended for foreign currency traders using Chase Trader Pro to facilitate their work flow. It includes an overview of Chase Trader Pro and step-by-step procedures for contracting trades. It complements the *Chase Insight Operator Guide* that accompanies each application, and the administrator guides that are provided for Chase Insight security administrators.

This guide assumes that you know how to use Microsoft® WindowsTM. For complete information on using Windows, see the *Microsoft Windows User's Guide*.

The following style conventions are used in this manual:

- ◆ The items on the Chase Trader Pro menu bars are referred to as menus. The items on menus are referred to as commands.
- ◆ The term "select" is used to indicate that you should mark or otherwise choose the item. Items you select include menus, commands, buttons, or dialog box options.

Chase Trader Pro takes advantage of the Windows graphical user interface. Screen entries such as currency codes may be typed or, in many cases, selected from a list.

How Chase Trader Pro Works

Chase Trader Pro offers you access to real-time exchange rate quotes through an on-line connection to the Chase Foreign Exchange desk. You may access over 60 currencies to execute and confirm contracts from your desktop.

To help manage situations in which you have large numbers of accounts, a **Customer ID search facility** is available. Customer ID Search lets you scroll through a comprehensive list to quickly select the information. The appropriate search facility is available at each relevant field. When you position the cursor over the label of the field to be entered, the cursor becomes an index finger; click the mouse and Chase Trader Pro presents the search facility.


A selection of pre-defined **reports** allows you to review information including summary and detail information for contracts.

Context-sensitive online help is available to guide you through Chase Trader Pro screens.

Starting and Exiting Chase Trader Pro

Chase Trader Pro is part of the Chase Insight platform. Therefore, you must start the platform and log onto it before you can invoke Chase Trader Pro.

To invoke Chase Trader Pro:

1. Start the platform and log on.
2. From the Applications menu, select Chase Trader Pro, or  the Chase Trader Pro icon. The Chase Trader Pro screen is displayed (Figure 1-1).

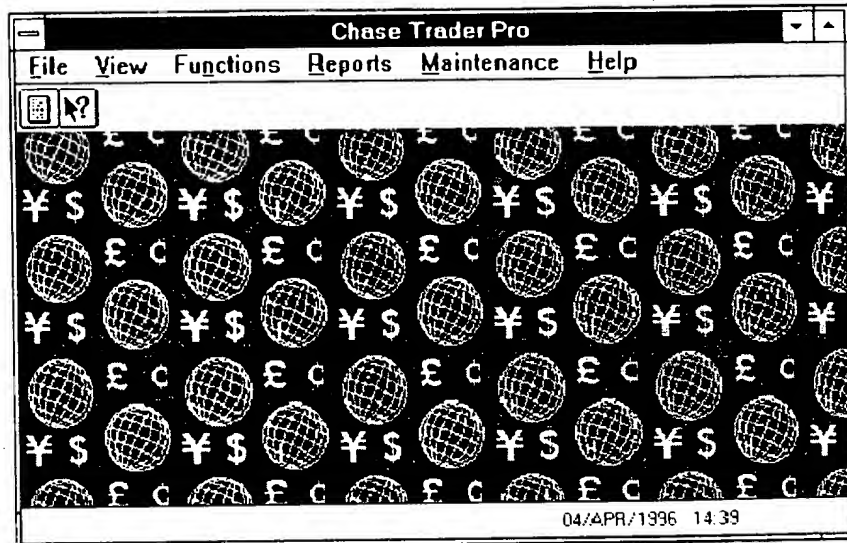


Figure 1-1. Chase Trader Pro Screen

To exit Chase Trader Pro:

- ◆ From the File menu, select Exit, or
- ◆ From the Control menu (the hyphen in the upper left corner of the screen), select Close, or
- ◆ Double-click on the Control menu (the hyphen in the upper left corner of the screen).

A Word About Markets

Chase offers customer access to Chase Trader Pro in one of two markets: New York or London. Your technical service representative will configure your system to interface with the appropriate market.

Customers trading in the New York market receive rate quotes from Chase's New York desk during New York hours. Customers trading in the London market receive quotes from Chase's London trading desk during London hours.

The Chase Trader Pro Menu Bar

The Menu Bar displays all Chase Trader Pro menus across the top of the application window, below the title bar. You display a menu by selecting its name in the menu bar. Below is a sample of the Chase Trader Pro menu bar.

| | | | | | |
|--------------|--------------|-------------------|-----------------|---------------------|--------------|
| <u>F</u> ile | <u>V</u> iew | <u>F</u> unctions | <u>R</u> eports | <u>M</u> aintenance | <u>H</u> elp |
|--------------|--------------|-------------------|-----------------|---------------------|--------------|

For a complete description of the menus, see Appendix A, Menu Command Summary.

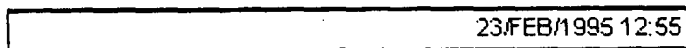
The Chase Trader Pro Toolbar

The Chase Trader Pro toolbar (shown below) is displayed across the top of the Chase Trader Pro window, below the menu bar. Each icon represents a command; Clear, Print, Pre-defined Reports, and Online Help, respectively.



The Chase Trader Pro Status Bar

The Chase Trader Pro Status bar is located at the bottom of your Application window. Below is a sample of the Chase Trader Pro Status bar. Each of the sections of the Status bar is described below the bar.



The **left panel** of the status bar describes the action of the menu commands as you navigate through the menus. This area also shows messages that describe the action of the toolbar as you move the mouse across the toolbar button or as you depress the button before releasing it.

The **right panel** shows the current system date and time. The date is presented in DD/MMM/YYYY format. The time is presented in HH:MM format.

Product Support

If you have a question about Chase Trader Pro, please refer to the manual or online Help. If you cannot find the answer, contact your technical service representative for technical problems, your Chase Trader Pro customer service group for other questions.

Before You Telephone:

Before you telephone your technical service representative, you should be at your computer with Chase Trader Pro running and the product manual at hand. Be prepared to give the following information:

- ◆ The version number of the platform you are using.
- ◆ The version number of Chase Trader Pro you are using.
- ◆ The type of hardware that you are using, including network hardware.
- ◆ The exact wording of any messages that appeared on your screen.
- ◆ What happened and what you were doing when the problem occurred.
- ◆ How you tried to solve the problem.

NOTE: You can obtain the software version number by selecting **About Chase Trader Pro....** from the Help menu.

2 Contracting a Trade

This chapter describes the procedure for contracting a currency trade. A contract is the actual agreement with Chase to buy or sell currency. With the Contract a Trade function, once you connect with the mainframe system, the procedure follows this pattern:

1. You enter the details about the contract, including whether the trade is spot (immediate) or for a future value date, the currencies you want to buy and sell, and the amount.
2. Chase Trader Pro displays Chase's offered rate and the total you'll pay or receive. The countdown timer will show the allotted time (on a real-time basis) remaining before expiration of the quoted rate.
3. If you agree to the offered terms, you can accept the rate. Alternatively, you can request a new rate, or simply reject the rate. Chase shall determine all rates quoted by Chase through the Chase Trader Pro module in Chase's sole discretion. Such rates are based on various factors, including market information and volatility and information concerning the customer and the proposed contract.
4. After you accept a rate, Chase Trader Pro confirms the transaction and assigns a contract number, which is displayed on your screen. Chase Trader Pro will ask the customer to confirm that the customer wishes to enter into the Chase Trader Pro contract on the terms input by the customer.
5. Once a trade has been confirmed by your receipt of a contract number, the standing settlement instructions related to the Customer ID will be applied by Chase back office systems.

How to Contract Trades

Buying or selling currency is initiated by selecting Contract a Trade from the Chase Trader Pro menu. Chase Trader Pro immediately connects with the Chase mainframe system. To complete this part of the process you need three things:

- ◆ your Insight password, which verifies that you are authorized to log onto the platform
- ◆ the Host ID and password, which identify your system to the mainframe system
- ◆ the Authentication diskette, which contains a unique "key" value the system needs to validate your transactions.

Messages on your screen report progress in establishing the connection.

NOTE: The Host ID and password are not the same as your individual platform Operator ID and password. There is only one Host ID and password for your workstation.

To contract a trade:

1. Double click on the Chase Logo to invoke Chase Insight.
2. Enter your Insight ID and password.
3. Select Chase Trader Pro from the Applications menu.
4. From the Functions menu, select Contract a Trade. See Table 2-1 for field descriptions.
5. When prompted, enter your Chase Insight password and press Enter.
6. When prompted, insert the Authentication diskette in drive A or B.
7. When prompted, remove the Authentication diskette from the drive and press Enter again.
8. Type the Host ID and password, confirm the password, and press Enter.
9. Fill in the required fields: Market, Buy and Sell Currency, and either the Customer Buy or Sell amount. For forward contracts, a Value Date is required. **NOTE:** Either the Buy or Sell Amount is required.

Figure 2-1. Contract a Trade Screen

10. Enter a Customer ID.
11. Select Get Rate. Chase Trader Pro offers a rate and a countdown message.
12. Select Accept Rate to make the offer, or New Rate to make another offer.
13. Once you accept the rate, you have made an offer to Chase to contract a trade.
14. If you select Yes, the mainframe issues a contract number with the date and time of issue (the As of Date). The status changes to Confirmed. The Contract Detail Report shows the information relating to the contract. See Chapter 3 for information about printing this report.
15. If the currently displayed rate expires, select New Rate. After you accept a rate and receive a contract number, you can select the Next button to initiate another trade. If you wish to clear the screen of details, select Clear from the Edit menu, or select the Clear icon.

Disconnecting from the Mainframe System

To end trading activity and return to the platform:

- ◆ Select Exit from the File menu.

Chase Trader Pro logs you off the mainframe and terminates the communications session.

Printing the Contract Confirmation

You can print the information about the trade by selecting the Print command from the Contract a Trade screen during the trade. Alternatively, you can run the Contract Detail Report, described in Chapter 3.

Selling Currency Back to Chase

To offset (reverse) a trade, enter an opposite transaction. For example, to offset a buy of GBP against USD:

- ◆ Select Contract a Trade and enter a sell of GPB with a buy of USD.

NOTE: Not all currencies can be sold back to Chase. Please refer to the currency listing provided by your Chase representative.

Using Customer ID Search

Customer ID Search is available during contract. The search capability lets you populate the Customer ID field from a list of Customer IDs.

NOTE: The Customer ID field is displayed only if your system is configured for Account Selection by Customer ID, as described in Chapter 4.

To use Customer ID search:

1. Position the cursor on the Cust(omer) ID field and either click the mouse or press F6. The system displays the Customer ID Information (Lookup) dialog box (Figure 2-2) listing all Customer IDs.
2. Select the Customer ID you are looking for from the list, then select OK. You will be returned to the Contract a Trade screen, and the Customer ID field will reflect your selection.

| Customer ID Information | |
|-------------------------------|-------------|
| Customer Name | Customer ID |
| AMSTISLAVSKAYA TIN IMPORTS | AMSTISLA |
| ANDERSON-CARSTERS | ANDERS1 |
| ATLAS STONE IMPORTERS | ATLAS 10 |
| AUTENRIETH ASSOCIATES | AUTEN001 |
| BESINGER OPTICS | BESINGER |
| CANDLEWOOD MUTUALS | CANDMUTL |
| ESSENTIAL DISTILLATES | ESSEN100 |
| HASTERLICK WOOL AND RAYON | HASTER34 |
| JERSEY INVESTMENTS | JERSEY 8 |
| KECK OF HAWAII | KECKHAW3 |
| MIRIAM STERN GOV'T SECURITIES | STERNMIR |
| NEW YORK COMMERCE BANK | NYCOMBNK |
| RINGWOLD GROWTH AND INCOME | RINGWOLD |

Customer ID: AMMIRATS

Search for Customer Name:

OK Cancel Help

Figure 2-2. Customer ID Information Screen

To search for data in a specific field in the dialog box:

1. In the list box column headings, click on the label of the field you wish to use as a locator (Customer ID or Customer Name).
2. Type the search criteria into the data entry field displayed below the scrolling list.

Typing in this field causes the scroll bar on the lookup list to move to the first field within the list that meets the criteria typed in the data entry field. If, for example, you type the letter R in the field, the scroll bar jumps to the first item on the list that begins with the letter R.

3. Select OK.

Contract a Trade Fields

The following table describes the fields in the Contract a Trade screen. A value must be added for required fields, shown in bold italic. The term alphanumeric character means that both letters and numbers are allowed.

| Field | Definition |
|--------------------------|---|
| Market | This code identifies the location in which you are set up to trade, for example, London or New York. The market is set in the Common Table Manager. <i>Display</i> . |
| Your Ref | This is an identifier that you enter to track the contract for your own purposes. This information is displayed on the Contract Detail Report. <i>Optional — 16 alphanumeric characters.</i> |
| Value Date (Type) | Indicates whether this contract is spot or forward. <i>Required — 15 alphanumeric characters.</i> Spot, generally two business days from today, is the default and requires no date. Forward allows a date up to one year in the future. |
| Value Date | The date on which the contract will be settled. However, the value date of the contract overrides the value date on the screen. <i>Optional — 9 characters, in date format.</i> |
| Contract Number | The number assigned by Chase after you accept the contract rate. <i>Display — 8 numeric characters.</i> |
| Buy Currency | The abbreviation for the currency being bought (selectable from a list). <i>Required — 3 alphabetic characters.</i> |
| Buy Amount | The value amount of the currency being bought. Enter either the customer buy or sell amount; only one is allowed. <i>Required — up to 18 alphanumeric characters.</i> |

Table 2-1. Contract a Trade Fields

(continued on next page)

| Field | Definition |
|----------------------|---|
| Sell Currency | The abbreviation for the currency being sold (selectable from a list). <i>Required — 3 alphabetic characters.</i> |
| Sell Amount | The value amount of the currency being sold. Enter either the customer buy or sell amount; only one is allowed. <i>Required — 18 alphanumeric characters.</i> |
| Customer ID | An identifier selected from a list set up in Common Table Manager. <i>Required — 35 alphanumeric characters.</i> |
| Customer Name | Customer-defined account identifier. <i>Display—50 alphanumeric characters (35 are displayed).</i> |
| Rate | The exchange rate quoted by Chase for the trade whose terms you have entered. <i>Display.</i> |
| Effective for | The amount of time, in seconds, for which the offered rate is valid. When the value in this field counts down to 0, the offered rate has expired, and you must request a new rate. <i>Display — 2 numeric characters.</i> |
| Status | <p>The current processing status of the trade on the screen. <i>Display — 23 alphabetic characters.</i></p> <p>The values which display are:</p> <ul style="list-style-type: none"> • Needs Acceptance — You must make a decision to accept or reject the rate displayed by Chase Trader Pro. • Confirmed — Chase has confirmed the trade. • Expired — The rate was not accepted or confirmed before the Effective For field reached the expiration time. |

Table 2-1. Contract a Trade Fields

(continued on next page)

| Field | Definition |
|-----------------------------|--|
| Status (<i>continued</i>) | <ul style="list-style-type: none">• In Communication — Chase Trader Pro is either establishing a connection to the mainframe, requesting a rate, or awaiting the return of a contract number.• Rejected — The mainframe could not accept the trade.• Pending — The trade was interrupted and the status on the mainframe is unknown. Contracts with a status of Pending are automatically retransmitted to Chase the next time you invoke the Contract a Trade command. |
| As of Date | <p>The date and time the contract (trade) is confirmed. The date is presented in DD/MMM/YY hours:minutes:seconds time-zone format, for example: 21/JUL/95 02:47:32 EST.</p> <p><i>Display — 30 alphanumeric characters.</i></p> |

Table 2-1. Contract a Trade Fields

3 Reports

Chase Trader Pro offers several predefined reports. You can print these reports, view them on the screen, or direct them to a file. The reports are described in the following table.

| Report | Description |
|------------------|---|
| Contract Detail | The details of trades you have made and confirmed. |
| Contract Summary | Summation of trades, including buy and sell amounts, currencies, rate, contract number, and reference number. |

Table 3-1. Chase Trader Pro Reports

Printing Reports

To print a report:

1. Select the Pre-defined command from the Reports menu.
2. From Chase Trader Pro Reports dialog box (Figure 3-1), select the desired report from the list of Available Reports.
3. Set the specifications for Sort Order, Selection Criteria, Currency, and Status.

Figure 3-1. Chase Trader Pro Reports Dialog Box

4. Select the output destination as either Printer, Screen, or File. If you select File, enter the type, for instance Excel, and the name of the file.
5. Select OK. Use the Print Setup button to change printing specifications, for example, to Portrait or Landscape orientation, or to an alternative paper source. Use the Cancel button if you decide not to print the report.

The samples on the following pages illustrate typical reports



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: New York Your Ref:

Value Date: 15/Aug/96

Contract Number: 00532054

Customer Buy

Currency: DEM Amount: 2,175,000.00 Cust ID: ALUMSM

Customer SellCurrency: USD Amount: 1,474,976.26 Customer Name:
ALUMNI UNIVERSITY OF MICHIGAN FUND

Rate: 1.4746 DEM per USD

Status: Confirmed
As of Date: 13/Aug/96 10:07:39
Operator Id: GARY
Transaction Date: 13/Aug/96 10:06:39 EST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: New York Your Ref:

Value Date: 15/Aug/96

Contract Number: 00532055

Customer Buy

Currency: USD Amount: 550,526.88 Cust ID: FXCCMB

Customer SellCurrency: DEM Amount: 815,000.00 Customer Name:
COLUMBIA CLASS MAIN BRANCH

Rate: 1.4804 DEM per USD

Status: Confirmed
As of Date: 13/Aug/96 10:08:33
Operator Id: GARY
Transaction Date: 13/Aug/96 10:07:34 EST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: New York Your Ref:

Value Date: 15/Aug/96

Contract Number: 00532128

Customer Buy

Currency: USD Amount: 26,173.40 Cust ID: FXCCMB

Customer SellCurrency: GBP Amount: 16,766.00 Customer Name:
COLUMBIA CLASS MAIN BRANCH

Rate: 1.5611 USD per GBP

Status: Confirmed
As of Date: 13/Aug/96 12:37:20
Operator Id: GARY
Transaction Date: 13/Aug/96 12:36:22 EST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: London

Your Ref:

Value Date: 15/Aug/96

Contract Number: 12266355

Customer Buy

Currency: CHF Amount: 487,200.00 Cust ID: PADBTHCT

Customer SellCurrency: DEM Amount: 600,000.00 Customer Name:
P.A.B. CAPITAL GROWTH FUND

Rate: .8120 CHF per DEM

Status: Confirmed
As of Date: 13/Aug/96 10:13:17
Operator Id: GARY
Transaction Date: 13/Aug/96 15:12:19 LST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: London Your Ref:

Value Date: 15/Aug/96

Contract Number: 12266357

Customer Buy

Currency: DEM Amount: 198,005.76 Cust ID: PCQBTHCT

Customer SellCurrency: SEK Amount: 893,600.00 Customer Name:
PRINCIPLE THEATERS CAPITAL FUND

Rate: 4.5130 SEK per DEM

Status: Confirmed
As of Date: 13/Aug/96 10:25:44
Operator Id: GARY
Transaction Date: 13/Aug/96 15:24:46 LST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: New York Your Ref:

Value Date: 16/Aug/96

Contract Number: 00532168

Customer Buy

Currency: CAD Amount: 405,660.00 Cust ID: FXCCMB

Customer SellCurrency: USD Amount: 300,000.00 Customer Name:
COLUMBIA CLASS MAIN BRANCH

Rate: 1.3522 CAD per USD

Status: Confirmed
As of Date: 13/Aug/96 15:25:33
Operator Id: GARY
Transaction Date: 13/Aug/96 15:24:33 EST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: New York Your Ref:

Value Date: 19/Aug/96

Contract Number: 00532167

Customer Buy

Currency: FRF Amount: 995,760.00 Cust ID: ALUMSM

Customer SellCurrency: USD Amount: 200,000.00 Customer Name:
ALUMNI UNIVERSITY OF MICHIGAN FUND

Rate: 4.9788 FRF per USD

Status: Confirmed
As of Date: 13/Aug/96 15:23:48
Operator Id: GARY
Transaction Date: 13/Aug/96 15:22:48 EST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: London

Your Ref:

Value Date: 19/Aug/96

Contract Number: 12266356

Customer Buy

Currency: DEM Amount: 1,000,000.00 Cust ID: PADBTHCT

Customer SellCurrency: FRF Amount: 3,426,800.00 Customer Name:
P.A.B. CAPITAL GROWTH FUND

Rate: 3.4268 FRF per DEM

Status: Confirmed
As of Date: 13/Aug/96 10:20:21
Operator Id: GARY
Transaction Date: 13/Aug/96 15:19:22 LST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: London

Your Ref:

Value Date: 30/Aug/96

Contract Number: 12266354

Customer Buy

Currency: JPY

Amount:

14,545,360

Cust ID:

PCQBTHCT

Customer Sell

Currency: DEM

Amount:

200,000.00

Customer Name:

PRINCIPLE THEATERS CAPITAL FUND

Rate: 72.7268 JPY per DEM

Status:

Confirmed

As of Date:

13/Aug/96 10:12:10

Operator Id:

GARY

Transaction Date:

13/Aug/96 15:11:11 LST



CONTRACT DETAIL REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

Market: London Your Ref:

Value Date: 06/Sep/96

Contract Number: 12266353

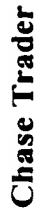
Customer Buy

Currency: GBP Amount: 43,316.40 Cust ID: PADBTHCT

Customer SellCurrency: MYR Amount: 167,474.20 Customer Name:
P.A.B. CAPITAL GROWTH FUND

Rate: 3.8663 MYR per GBP

Status: Confirmed
As of Date: 13/Aug/96 10:11:11
Operator Id: GARY
Transaction Date: 13/Aug/96 15:10:08 LST



Print Date: 13/Aug/1996 3:41:00 PM

Page: 1

CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FOR CONTINUED EXTENDING DATES
FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

Ordered By Value Date, Transaction Date and Contract Number

| VALUE DATE | TRANSACTION DATE | CUSTOMER AMOUNT | BUY CURR A/C | CUSTOMER SELL AMOUNT | CURR A/C | RATE | CONTRACT NUMBER | CUSTOMER REFERENCE |
|---------------|---------------------|--------------------|-----------------|-------------------------|----------|--------|--------------------|-----------------------|
| 15/Aug/96 | 13/Aug/96 | 2,175,000.00 | DEM * | 1,474,976.26 | USD * | 1.4746 | 00532054 | |
| | | 550,526.88 | USD * | 815,000.00 | DEM * | 1.4804 | 00532055 | |
| | | 26,173.40 | USD * | 16,766.00 | GBP * | 1.5611 | 00532128 | |
| | | 487,200.00 | CHF * | 600,000.00 | DEM * | .8120 | 12266355 | |
| | | 198,005.76 | DEM * | 893,600.00 | SEK * | 4.5130 | 12266357 | |
| *SUBTOTALS* | | ACCOUNT POSITION | | DUE SETTLEMENT | | SELL | | OUTRIGHT POSITION |
| | | BUY | SELL | BUY | | | BUY | SELL |
| | | 487,200.00 CHF | 0 | | | | 487,200.00 CHF | 0 |
| | | 2,373,005.76 DEM | -1,415,000.00 | | | | 2,373,005.76 DEM | -1,415,000.00 |
| | | 0 GBP | -16,766.00 | | | | 0 GBP | -16,766.00 |
| | | 0 SEK | -893,600.00 | | | | 0 SEK | -893,600.00 |
| | | 576,700.28 USD | -1,474,976.26 | | | | 576,700.28 USD | -1,474,976.26 |
| 16/Aug/96 | 13/Aug/96 | 405,660.00 | CAD * | 300,000.00 | USD * | 1.3522 | 00532168 | |
| *SUBTOTALS* | | ACCOUNT POSITION | | DUE SETTLEMENT | | SELL | | OUTRIGHT POSITION |
| | | BUY | SELL | BUY | | | BUY | SELL |
| | | 405,660.00 CAD | 0 | | | | 405,660.00 CAD | 0 |
| | | 0.00 USD | -300,000.00 | | | | 0.00 USD | -300,000.00 |
| 19/Aug/96 | 13/Aug/96 | 995,760.00 | FRF * | 200,000.00 | USD * | 4.9788 | 00532167 | |
| | | 1,000,000.00 | DEM * | 3,426,800.00 | FRF * | 3.4268 | 12266356 | |
| *SUBTOTALS* | | ACCOUNT POSITION | | DUE SETTLEMENT | | SELL | | OUTRIGHT POSITION |
| | | BUY | SELL | BUY | | | BUY | SELL |
| | | 1,000,000.00 DEM | 0.00 | | | | 1,000,000.00 DEM | 0.00 |
| | | 995,760.00 FRF | -3,426,800.00 | | | | 995,760.00 FRF | -3,426,800.00 |
| | | 0.00 USD | -200,000.00 | | | | 0.00 USD | -200,000.00 |



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CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES
FOR CONFIRMED OR PENDING STATUSES
FROM VALUE DATE 15/AUG/1996 TO VALUE DATE 30/SEP/1996
Ordered By Value Date, Transaction Date and Contract Number

| VALUE DATE | TRANSACTION DATE | CUSTOMER BUY AMOUNT | CUSTOMER SELL AMOUNT | CURR A/C | RATE | CONTRACT NUMBER | CUSTOMER REFERENCE |
|--------------------|------------------|-------------------------|----------------------|-----------------------|---------|--------------------------|--------------------|
| 30/Aug/96 | 13/Aug/96 | 14,545,360 | JPY * | DEM * | 72.7268 | 12266354 | |
| *SUBTOTALS* | | | | | | | |
| | | ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
| | | BUY | SELL | BUY | SELL | BUY | SELL |
| | | 0.00 DEM | -200,000.00 | | | 0.00 DEM | -200,000.00 |
| | | 14,545,360 JPY | 0 | | | 14,545,360 JPY | 0 |
| | | | | | | | |
| 06/Sep/96 | 13/Aug/96 | 43,316.40 | GBP * | MYR * | 3.8663 | 12266353 | |
| *SUBTOTALS* | | | | | | | |
| | | ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
| | | BUY | SELL | BUY | SELL | BUY | SELL |
| | | 43,316.40 GBP | 0.00 | | | 43,316.40 GBP | 0.00 |
| | | 0.0000 OTHER | -167,474.2000 | | | 0.0000 OTHER | -167,474.2000 |

** END OF REPORT **



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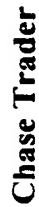
CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES
FOR CONFIRMED OR PENDING STATUSES
FROM VALUE DATE 15/Aug/1996 TO VALUE DATE 30/Sep/1996

GRAND TOTALS

| ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
|------------------|---------------|----------------|------|-------------------|---------------|
| BUY | SELL | BUY | SELL | BUY | SELL |
| 405,660.00 | 0 | | | 405,660.00 | 0 |
| 487,200.00 | 0 | | | 487,200.00 | 0 |
| 3,373,005.76 | -1,615,000.00 | | | 3,373,005.76 | -1,615,000.00 |
| 995,760.00 | -3,426,800.00 | | | 995,760.00 | -3,426,800.00 |
| 43,316.40 | -16,766.00 | | | 43,316.40 | -16,766.00 |
| 14,545,360 | 0 | | | 14,545,360 | 0 |
| 0 | -893,600.00 | | | 0 | -893,600.00 |
| 576,700.28 | -1,974,976.26 | | | 576,700.28 | -1,974,976.26 |
| 0.0000 | -167,474.2000 | | | 0.0000 | -167,474.2000 |
| | | | | | |

** END OF REPORT **



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CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM TRANSACTION DATE 13/AUG/1996 TO TRANSACTION DATE 30/SEP/1996

Ordered By Transaction Date, Value Date and Contract Number

| <u>TRANSACTION</u> | <u>VALUE</u> | <u>CUSTOMER</u> | <u>BUY</u> | <u>CUSTOMER SELL</u> | <u>RATE</u> | <u>CONTRACT</u> | <u>CUSTOMER</u> |
|--------------------|-------------------------|-----------------|-------------|-----------------------|-------------|------------------|--------------------------|
| <u>DATE</u> | <u>DATE</u> | <u>AMOUNT</u> | <u>CURR</u> | <u>A/C</u> | | <u>NUMBER</u> | <u>REFERENCE</u> |
| 13/Aug/96 | 15/Aug/96 | 2,175,000.00 | DEM * | USD * | 1.4746 | 00532054 | |
| | | 550,526.88 | USD * | DEM * | 1.4804 | 00532055 | |
| | | 26,173.40 | USD * | GBP * | 1.5611 | 00532128 | |
| | | 487,200.00 | CHF * | DEM * | .8120 | 12266355 | |
| | | 198,005.76 | DEM * | SEK * | 4.5130 | 12266357 | |
| *SUBTOTALS* | <u>ACCOUNT POSITION</u> | <u>SELL</u> | <u>BUY</u> | <u>DUE SETTLEMENT</u> | <u>SELL</u> | <u>BUY</u> | <u>OUTRIGHT POSITION</u> |
| | BUY | 0 | | | | | |
| | 487,200.00 CHF | | | | | 487,200.00 CHF | 0 |
| | 2,373,005.76 DEM | -1,415,000.00 | | | | 2,373,005.76 DEM | -1,415,000.00 |
| | 0 GBP | -16,766.00 | | | | 0 GBP | -16,766.00 |
| | 0 SEK | -893,600.00 | | | | 0 SEK | -893,600.00 |
| | 576,700.28 USD | -1,474,976.26 | | | | 576,700.28 USD | -1,474,976.26 |
| 13/Aug/96 | 16/Aug/96 | 405,660.00 | CAD * | USD * | 1.3522 | 00532168 | |
| *SUBTOTALS* | <u>ACCOUNT POSITION</u> | <u>SELL</u> | <u>BUY</u> | <u>DUE SETTLEMENT</u> | <u>SELL</u> | <u>BUY</u> | <u>OUTRIGHT POSITION</u> |
| | BUY | 0 | | | | | |
| | 405,660.00 CAD | | | | | 405,660.00 CAD | 0 |
| | 0.00 USD | -300,000.00 | | | | 0.00 USD | -300,000.00 |
| 13/Aug/96 | 19/Aug/96 | 995,760.00 | FRF * | USD * | 4.9788 | 00532167 | |
| | | 1,000,000.00 | DEM * | FRF * | 3.4268 | 12266356 | |
| *SUBTOTALS* | <u>ACCOUNT POSITION</u> | <u>SELL</u> | <u>BUY</u> | <u>DUE SETTLEMENT</u> | <u>SELL</u> | <u>BUY</u> | <u>OUTRIGHT POSITION</u> |
| | BUY | 0.00 | | | | | |
| | 1,000,000.00 DEM | | | | | 1,000,000.00 DEM | 0.00 |
| | 995,760.00 FRF | -3,426,800.00 | | | | 995,760.00 FRF | -3,426,800.00 |
| | 0.00 USD | -200,000.00 | | | | 0.00 USD | -200,000.00 |

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CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES

FOR CONFIRMED OR PENDING STATUSES

FROM TRANSACTION DATE 13/Aug/1996 TO TRANSACTION DATE 30/Sep/1996

Ordered By Transaction Date, Value Date and Contract Number

| TRANSACTION DATE | VALUE DATE | CUSTOMER AMOUNT | CUSTOMER BUY CURR A/C | CUSTOMER SELL AMOUNT | CUSTOMER SELL CURR A/C | RATE | CONTRACT NUMBER | CUSTOMER REFERENCE |
|--------------------|------------|-----------------|-------------------------|----------------------|------------------------|---------|--------------------------|--------------------|
| 13/Aug/96 | 30/Aug/96 | 14,545,360 | JPY * | 200,000.00 | DEM * | 72.7268 | 12266354 | |
| *SUBTOTALS* | | | | | | | | |
| | | | ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
| | | | BUY | SELL | BUY | SELL | BUY | SELL |
| | | | 0.00 DEM | -200,000.00 | 0.00 DEM | | 0.00 DEM | -200,000.00 |
| | | | 14,545,360 JPY | 0 | | | 14,545,360 JPY | 0 |
| | | | | | | | | |
| 13/Aug/96 | 06/Sep/96 | 43,316.40 | GBP * | 167,474.20 | MYR * | 3.8663 | 12266353 | |
| *SUBTOTALS* | | | | | | | | |
| | | | ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
| | | | BUY | SELL | BUY | SELL | BUY | SELL |
| | | | 43,316.40 GBP | 0.00 | | | 43,316.40 GBP | 0.00 |
| | | | 0.0000 OTHER | -167,474.2000 | | | 0.0000 OTHER | -167,474.2000 |

** END OF REPORT **



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CONTRACT SUMMARY REPORT

FOR ALL CURRENCIES
FOR CONFIRMED OR PENDING STATUSES
FROM TRANSACTION DATE 13/Aug/1996 TO TRANSACTION DATE 30/Sep/1996

GRAND TOTALS

| ACCOUNT POSITION | | DUE SETTLEMENT | | OUTRIGHT POSITION | |
|------------------|---------------|----------------|------|-------------------|---------------|
| BUY | SELL | BUY | SELL | BUY | SELL |
| 405,660.00 | 0 | 405,660.00 | | 405,660.00 | 0 |
| 487,200.00 | 0 | 487,200.00 | | 487,200.00 | 0 |
| 3,373,005.76 | -1,615,000.00 | 3,373,005.76 | | 3,373,005.76 | -1,615,000.00 |
| 995,760.00 | -3,426,800.00 | 995,760.00 | | 995,760.00 | -3,426,800.00 |
| 43,316.40 | -16,766.00 | 43,316.40 | | 43,316.40 | -16,766.00 |
| 14,545.360 | 0 | 14,545.360 | | 14,545.360 | 0 |
| 0 | -893,600.00 | 0 | | 0 | -893,600.00 |
| 576,700.28 | -1,974,976.26 | 576,700.28 | | 576,700.28 | -1,974,976.26 |
| 0.0000 | -167,474.2000 | 0.0000 | | 0.0000 | -167,474.2000 |
| | | | | | |

** END OF REPORT **

4 Maintenance

Chase Trader Pro Maintenance functions allow you to:

- ◆ archive data to disk
- ◆ restore data from the archive
- ◆ purge data from the system
- ◆ download a Micro ID to identify your PC to the Chase mainframe

You should archive your data on a regular basis to minimize the impact of accidental erasure of data or damage to your hard disk. Contact your technical service representative for assistance.

The Micro ID Download function is available as a contingency. You cannot do any contracts until a Micro ID download is performed. This is usually done with the assistance of a technical service representative during installation. In rare instances, you may need to "re-download" the ID using the procedure described here.

Archiving, Restoring, and Purging Data

Chase Trader Pro allows you to archive, restore, and purge contract information. Contracts do not disappear from Chase Trader Pro when they are executed. They continue to appear in reports until you actively remove them.

Archiving stores the information in special files where Chase Trader Pro cannot access it unless you restore it. Purging deletes the information from the database. Archived information can be restored. (If you purge without archiving, the data is lost.)

You should archive your data on a regular basis to minimize the impact of accidental erasure of data or damage to your hard disk. Contact your technical service representative for assistance.

To archive contract data:

1. From the Chase Trader Pro Maintenance menu, select the Database Contracts command. Chase Trader Pro displays the Database Maintenance dialog box (Figure 4-1).

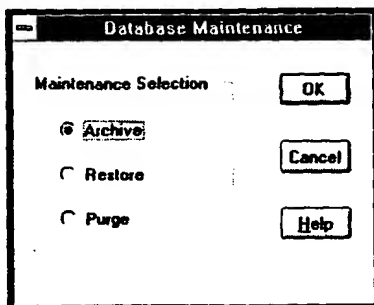


Figure 4-1. Database Maintenance Dialog Box

2. From the Database Maintenance dialog box, select Archive.
3. In the Archive dialog box (Figure 4-2), enter the account(s) for which contracts are to be archived.

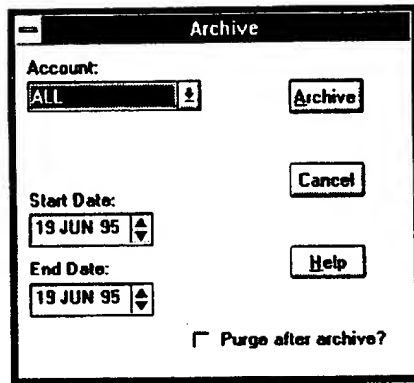


Figure 4-2. Archive Dialog Box

4. In the Start and End dates, indicate the range of Value Dates for which contracts are to be archived.
5. When you have identified the data to be archived, select Archive. The system displays the Archive Save As dialog box (Figure 4-3).

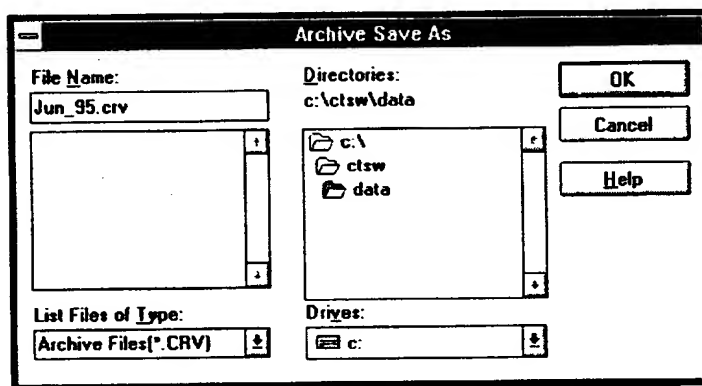


Figure 4-3. Archive Save As Dialog Box

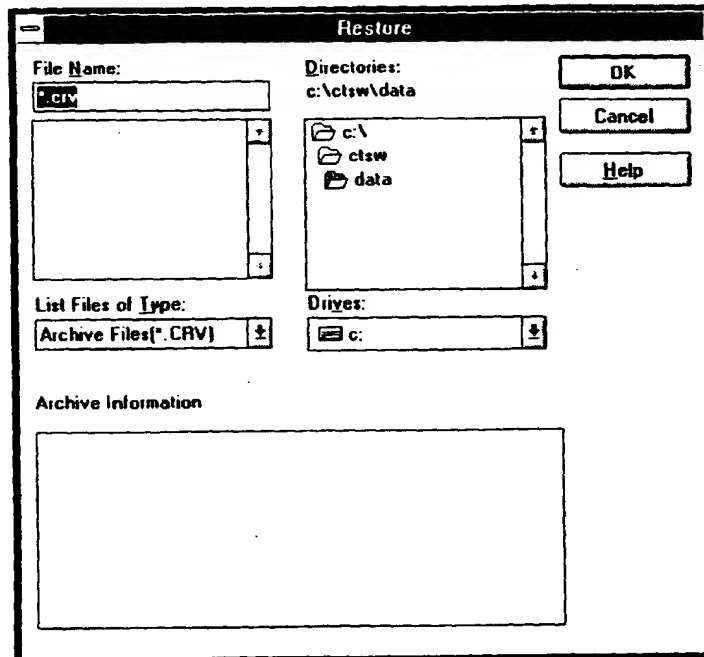
6. Specify the path and file name of the archive file and select OK to initiate the archive operation.

Select Cancel to close the dialog box without performing an Archive operation.

NOTE: The archive process takes a few minutes during which your computer should not be turned off or rebooted.

To restore contract data:

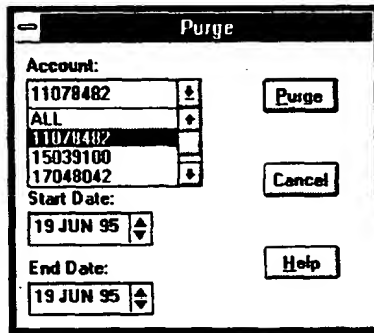
1. From the Chase Trader Pro Maintenance menu, select the Database Contracts command. Chase Trader Pro displays the Database Maintenance dialog box (Figure 4-1).
2. From the Database Maintenance dialog box, select Restore.
3. From the Restore dialog box (Figure 4-4), select the file name you wish to restore. If necessary, change the drive.

**Figure 4-4. Restore Dialog Box**

4. Select either OK to restore the specified file or Cancel to discontinue the operation. Your computer should not be turned off or rebooted during the restore process

To purge contract data:

1. From the Chase Trader Pro Maintenance menu, select the Database Contracts command. Chase Trader Pro displays the Database Maintenance dialog box (Figure 4-1).
2. From the Database Maintenance dialog box, select Purge.
3. In the Purge dialog box (Figure 4-5) select a specific account to purge, or All.

**Figure 4-5. Purge Dialog Box**

4. In the Start and End dates, indicate the range of dates for which the selected accounts should be purged.
5. Select Purge. Your computer should not be turned off or rebooted during the purge process.

Micro ID Download

Use the Micro ID Download command to connect to the mainframe in order to download an ID. The ID is stored on your system and used as part of the identifier for all settlements and contracts.

You cannot do any contracts or settlements until a Micro ID download is performed. This is usually done with the assistance of a technical service representative during installation.

To Download the Micro ID:

1. From the Maintenance menu, select the Micro ID Download command.
2. From the Micro ID Download dialog box (Figure 4-6), select Start. Chase Trader Pro displays a progress dialog box (not shown).
3. When prompted, enter your Host ID and password in the Host Access Information dialog box (Figure 4-7).
4. After downloading the Micro ID, Chase Trader Pro displays a confirmation message in the Micro ID Download dialog box (Figure 4-8).
5. Select Exit.

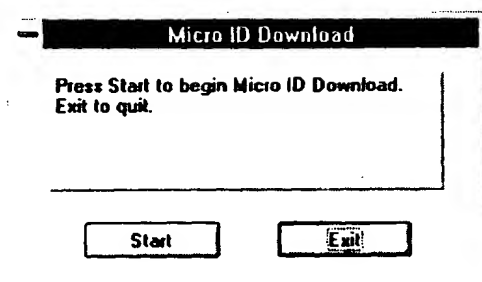
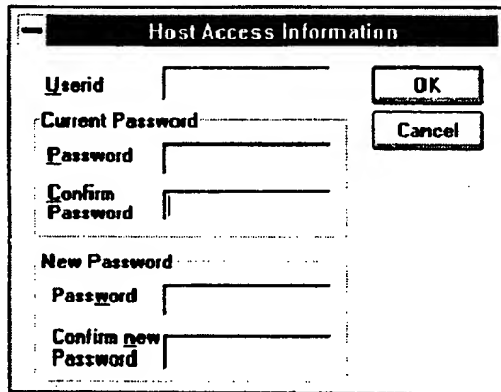
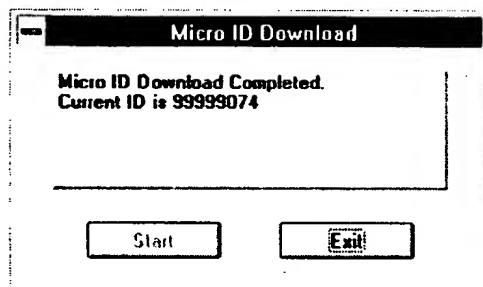


Figure 4-6. Micro ID Download Dialog Box



A dialog box titled "Host Access Information" with a standard Windows-style title bar. It contains two sections of input fields. The first section has "Userid" and "Current Password" labels, each followed by a text input field. The second section has "Password" and "Confirm Password" labels, each followed by a text input field. Below these is a section for "New Password" with "Password" and "Confirm new Password" labels, each followed by a text input field. To the right of the input fields are two buttons: "OK" and "Cancel".

Figure 4-7. Host Access Information Dialog Box



A dialog box titled "Micro ID Download" with a standard Windows-style title bar. It contains a text area with the message "Micro ID Download Completed." followed by "Current ID is 99999074". Below the text area are two buttons: "Start" and "Exit".

Figure 4-8. Confirmation Message, Micro ID Download

A Menu Command Summary

File Menu

| | |
|-----------------------|--|
| Print | Print the details of the contract current being displayed. |
| Print Setup | Access the Windows printer set-up facility. |
| Exit Chase Trader Pro | Close Chase Trader Pro and exit from it. |

Edit Menu

| | |
|-------|---|
| Clear | Remove all data from the Contract a Trade Screen. |
|-------|---|

View Menu

| | |
|------------|--|
| Toolbar | Either display or suppress the Toolbar. |
| Status Bar | Either display or suppress the Status Bar. |

Functions Menu

| | |
|------------------|--|
| Contract a Trade | Display the Contract a Trade screen in which you specify the currency you want to buy or sell, and the amount. |
|------------------|--|

Reports Menu

| | |
|-------------|--|
| Pre-Defined | Produce any of the standard reports that come with Chase Trader Pro or any reports you have created. |
| Comms Log | Display the platform event log of Chase Trader Pro communications activities between your PC and the bank's processing system. |

Maintenance Menu

| | |
|--------------------|---|
| Database Contracts | Archive and restore Chase Trader Pro contract data. |
|--------------------|---|

Window Menu

| | |
|---------------|---|
| Cascade | Re-display all active windows so that they overlap. |
| Tile | Re-display all active windows side-by-side. |
| Arrange Icons | Arrange all icons in the client area. |
| Close All | Shut down all active windows. |


This menu also lists all open Chase Trader Pro windows.

Help Menu

| | |
|-------------------------------------|--|
| Contents | Display the Table of Contents for Chase Trader Pro Help. |
| Search | Display Windows Help Search Win/dow. |
| A Quick Tour of Chase Trader Pro | Describe how to use the Chase Trader Pro. |
| Product Support | Describe process for contacting a technical service representative. |
| Using Chase Trader Pro Help | Describe how to use Chase Trader Pro Help. |
| About Chase Trader Pro | Describe version number and copyright information for Chase Trader Pro. |

B Using Chase Trader Pro Help

Chase Trader Pro has a comprehensive help facility which enables you to use the product functions with maximum ease and speed. Chase Trader Pro Help expands upon Windows Help, so if you need information on how to use general help functions, refer to Windows Help. You may access Windows Help from within Chase Trader Pro Help at any time by pressing F1.

Chase Trader Pro help features context sensitivity. You can use the help icon  on the toolbar to get help on any icon, command, or part of the main window at the time you are using it. You can also use the F1 key to get help on any field or button. For example, if you are entering data in a field and need more information, press F1. A help topic for that field appears.

You can access help in a number of ways. As you work with Chase Trader Pro, you will appreciate the versatility of the help system and be able to choose the method that works best for you.

To access Chase Trader Pro Help, choose one of the following:

- ◆ **The F1 key or the Help icon on the toolbar for context sensitive help**
To obtain help on a specific field, press F1 when your cursor is positioned on the item. To get help on a command or field, select the Help icon from the toolbar, position it on the item, and click. Or, if you are not using a mouse, press the F1 key when your cursor is positioned on the item.
- ◆ **The Search facility**
Select Search from the Chase Trader Pro Help menu or, if you are in Chase Trader Pro Help, select the Search button from the Help toolbar. The Chase Trader Pro Help search facility works the same way as the Windows Help search facility.
- ◆ **The Table of Contents**
Select Contents from the Chase Trader Pro Help menu or, if you are in

Chase Trader Pro Help, select the Contents button from the Help toolbar.

◆ **The Help button on a dialog box**

Select the Help button to bring up the help screen for the dialog box you are using.

Helpful Hints

If after you have selected the help icon you decide not to obtain context sensitive help, press the Esc key — the help cursor will disappear.

To access Windows help at any time from within a help topic:

1. Press F1.
2. Select Exit from the File menu to return to the product help.

To keep help visible while working in an application, select Always on Top from the Help menu. To turn off the option, select it again.

To display all jumps in a help topic:

1. Press Tab. Each time you press Tab, the cursor moves to the next jump.
2. Press Shift and Tab together to move through the jumps in reverse order.

To display all jumps in a help topic simultaneously, hold down the Ctrl and Tab keys together.

The end of a help topic can be identified by the following symbol: ◆ ◆ ◆ ◆

For information on how to copy, annotate and mark topics, press F1 to access Windows Help.

C Table of Currency Codes

This appendix contains two tables listing the codes used by the Society for Worldwide Interbank Financial Telecommunications (SWIFT) to identify world currencies. You can select these codes from Chase Trader Pro selection windows to specify currencies for your trades and settlements.

All of the currencies listed may not be available on Chase Trader Pro. Check with the Chase Trader Pro customer service team for the latest available currencies.

Table of Countries and Territories

This table is organized alphabetically by countries and territories. Use this table to determine which currencies are valid in a particular country or territory and the code for each of those currencies. The table also shows the correct number of decimal places for each currency.

For a list of currency codes in alphabetical order, see the table on page C-4.

| Country | Currency | Code | Dec |
|------------------|---------------------------|------------|----------|
| Algeria | Algerian Dinar | DZD | 2 |
| Anguilla | East Caribbean Dollar | XCD | 2 |
| Argentina | Argentine Peso | ARS | 2 |
| Australia | Australian Dollar | AUD | 2 |
| Austria | Austrian Schilling | ATS | 2 |
| Bahamas | Bahamian Dollar | BSD | 2 |
| Bahrain | Bahraini Dinar | BHD | 3 |
| Belgium | Belgian Franc | BEF | 0 |
| Belize | Belize Dollar | BZD | 2 |
| Bermuda | Bermudian Dollar | BMD | 2 |
| Botswana | Botswana Pula | BWP | 2 |

Table C-1. Currency Codes Arranged by Country

(continued)

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

| Country | Currency | Code | Dec |
|-----------------------|----------------------------|------------|----------|
| Burundi | Burundi Franc | BIF | 0 |
| Canada | Canadian Dollar | CAD | 2 |
| Chile | Chilean Peso | CLP | 2 |
| China | Chinese Renminbi | CNY | 2 |
| Colombia | Colombian Peso | COP | 2 |
| Cyprus | Cyprus Pound | CYP | 2 |
| Czech Republic | Czech Koruna | CZK | 2 |
| Denmark | Danish Krone | DKK | 2 |
| Djibouti | Djibouti Franc | DJF | 0 |
| Egypt | Egyptian Pound | EGP | 3 |
| Equador | Equador Sucre | ESC | 2 |
| Europe | European Currency Unit | XEU | 2 |
| Fiji | Fiji Dollar | FJD | 2 |
| Finland | Finnish Markka | FIM | 2 |
| France | French Franc | FRF | 2 |
| Germany | Deutsche Mark | DEM | 2 |
| Greece | Greek Drachma | GRD | 0 |
| Hong Kong | Hong Kong Dollar | HKD | 2 |
| India | Indian Rupee | INR | 2 |
| Indonesia | Indonesian Rupiah | IDR | 2 |
| Ireland | Irish Pound | IEP | 2 |
| Israel | Israeli Shekel | ILS | 2 |
| Italy | Italian Lira | ITL | 0 |
| Jamaica | Jamaican Dollar | JMD | 2 |
| Japan | Japanese Yen | JPY | 0 |
| Kenya | Kenyan Shilling | KES | 2 |
| Korea, Republic of | Korean Won | KRW | 0 |
| Kuwait | Kuwaiti Dinar | KWD | 3 |
| Malaysia | Malaysian Ringgit | MYR | 2 |
| Mauritius | Mauritius Rupee | MUR | 2 |
| Mexico | Mexican New Peso | MXN | 2 |
| Morocco | Moroccan Dirham | MAD | 2 |
| Netherlands | Netherlands Guilder | NLG | 2 |

Table C-1. Currency Codes Arranged by Country

(continued)

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

| Country | Currency | Code | Dec |
|------------------------------|-----------------------------|------------|----------|
| Netherlands Antilles | Netherland Antilles Guilder | ANG | 2 |
| New Guinea | Papua New Guinea Kina | PKG | 2 |
| New Zealand | New Zealand Dollar | NZD | 2 |
| Norway | Norwegian Krone | NOK | 2 |
| Pakistan | Pakistan Rupee | PKR | 2 |
| Paraguay | Paraguay Guarani | PYG | 0 |
| Phillipines | Phillipine Peso | PHP | 2 |
| Portugal | Portuguese Escudo | PTE | 0 |
| Qatar | Qatari Rial | QAR | 2 |
| Russia | Russian Ruble | RUR | 2 |
| Saudi Arabia | Saudi Riyal | SAR | 2 |
| Singapore | Singapore Dollar | SGD | 2 |
| South Africa | S. African Rand | ZAR | 2 |
| Spain | Spanish Peseta | ESP | 0 |
| Sri Lanka | Sri Lankan Rupee | LKR | 2 |
| Sweden | Swedish Krona | SEK | 2 |
| Switzerland | Swiss Franc | CHF | 2 |
| Syrian Arab Republic | Syrian Pound | SYP | 2 |
| Taiwan | Taiwan Dollar | TWD | 2 |
| Tanzania, United Republic of | Tanzanian Shilling | TZS | 2 |
| Thailand | Thai Baht | THB | 2 |
| Trinidad Tobago | Trinidad Tobago Dollar | TTD | 2 |
| Tunisia | Tunisian Dinar | TND | 3 |
| Turkey | Turkish Lira | TRL | 2 |
| United Arab Emirates | UAE Dirham | AED | 2 |
| United Kingdom | British Pound | GBP | 2 |
| United States | U.S. Dollar | USD | 2 |
| Uruguay | Uruguayan Peso | UYP | 2 |
| Venezuela | Venezuelan Bolivar | VEB | 2 |
| Zambia | Zambian Kwacha | ZMK | 2 |
| Zimbabwe | Zimbabwe Dollar | ZWD | 2 |

Table C-1. Currency Codes Arranged by Country

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

Table of Codes Arranged by Currency

This table is organized alphabetically by currency codes. Use this table to determine what currency a particular code represents and where that currency is valid. The table also shows the correct number of decimal places for each currency.

For a list of countries and territories in alphabetical order, with valid currencies for each, see the previous table (page C-1).

| Code | Dec | Currency | Country |
|------------|----------|----------------------------------|-----------------------------------|
| AED | 2 | <i>UAE Dirham</i> | <i>United Arab Emirate</i> |
| ANG | 2 | Netherland Antilles Guilder | Netherlands Antilles |
| ARS | 2 | Argentine Peso | Argentina |
| ATS | 2 | <i>Austrian Schilling</i> | <i>Austria</i> |
| AUD | 2 | <i>Australian Dollar</i> | <i>Australia</i> |
| BEF | 0 | <i>Belgian Franc</i> | <i>Belgium</i> |
| BHD | 3 | <i>Bahraini Dinar</i> | <i>Bahrain</i> |
| BIF | 0 | Burundi Franc | Burundi |
| BMD | 2 | Bermudian Dollar | Bermuda |
| BSD | 2 | Bahamian Dollar | Bahamas |
| BWP | 2 | Botswana Pula | Botswana |
| BZD | 2 | Belize Dollar | Belize |
| CAD | 2 | <i>Canadian Dollar</i> | <i>Canada</i> |
| CHF | 2 | <i>Swiss Franc</i> | <i>Switzerland</i> |
| CLP | 2 | Chilean Peso | Chile |
| CNY | 2 | Chinese Renminbi | China |
| COP | 2 | Colombian Peso | Colombia |
| CYP | 2 | Cyprus Pound | Cyprus |
| CZK | 2 | <i>Czech Koruna</i> | <i>Czech Republic</i> |

Table C-2. Currency Codes Arranged by Code

(continued)

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

| Code | Dec | Currency | Country |
|------------|----------|----------------------------|-----------------------|
| DEM | 2 | Deutsche Mark | Germany |
| DJF | 0 | Djibouti Franc | Djibouti |
| DKK | 2 | Danish Krone | Denmark |
| DZD | 2 | Algerian Dinar | Algeria |
| EGP | 3 | Egyptian Pound | Egypt |
| ESC | 2 | Equador Sucre | Equador |
| ESP | 0 | Spanish Peseta | Spain |
| FIM | 2 | Finnish Markka | Finland |
| FJD | 2 | Fiji Dollar | Fiji |
| FRF | 2 | French Franc | France |
| GBP | 2 | British Pound | United Kingdom |
| GRD | 0 | Greek Drachma | Greece |
| HKD | 2 | Hong Kong Dollar | Hong Kong |
| IDR | 2 | Indonesian Rupiah | Indonesia |
| IEP | 2 | Irish Pound | Ireland |
| ILS | 2 | Israeli Shekel | Israel |
| INR | 2 | Indian Rupee | India |
| ITL | 0 | Italian Lira | Italy |
| JMD | 2 | Jamaican Dollar | Jamaica |
| JPY | 0 | Japanese Yen | Japan |
| KES | 2 | Kenyan Shilling | Kenya |
| KRW | 0 | Korean Won | Korea, Republic of |
| KWD | 3 | Kuwaiti Dinar | Kuwait |
| LKR | 2 | Sri Lankan Rupee | Sri Lanka |
| MAD | 2 | Moroccan Dirham | Morocco |
| MUR | 2 | Mauritius Rupee | Mauritius |
| MXN | 2 | Mexican New Peso | Mexico |
| MYR | 2 | Malaysian Ringgit | Malaysia |
| NLG | 2 | Netherlands Guilder | Netherlands |

Table C-2. Currency Codes Arranged by Code

(continued)

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

| Code | Dec | Currency | Country |
|------------|----------|---------------------------|------------------------------|
| NOK | 2 | Norwegian Krone | Norway |
| NZD | 2 | New Zealand Dollar | New Zealand |
| PHP | 2 | Phillipine Peso | Phillipines |
| PKG | 2 | Papua New Guinea Kina | New Guinea |
| PKR | 2 | Pakistan Rupee | Pakistan |
| PTE | 0 | Portuguese Escudo | Portugal |
| PYG | 0 | Paraguay Guarani | Paraguay |
| RUR | 2 | Russian Ruble | Russia |
| QAR | 2 | Qatari Rial | Qatar |
| SAR | 2 | Saudi Riyal | Saudi Arabia |
| SEK | 2 | Swedish Krona | Sweden |
| SGD | 2 | Singapore Dollar | Singapore |
| SYR | 2 | Syrian Pound | Syrian Arab Republic |
| THB | 2 | Thai Baht | Thailand |
| TND | 3 | Tunisian Dinar | Tunisia |
| TRL | 2 | Turkish Lira | Turkey |
| TTD | 2 | Trinidad Tobago Dollar | Trinidad Tobago |
| TWD | 2 | Taiwan Dollar | Taiwan |
| TZS | 2 | Tanzanian Shilling | Tanzania, United Republic of |
| USD | 2 | U.S. Dollar | United States |
| UYR | 2 | Uruguayan Peso | Uruguay |
| VEB | 2 | Venezuelan Bolivar | Venezuela |
| XCD | 2 | East Caribbean Dollar | Anguilla |
| XEU | 2 | European Currency Unit | |
| ZAR | 2 | S. African Rand | South Africa |
| ZMK | 2 | Zambian Kwacha | Zambia |
| ZWD | 2 | Zimbabwe Dollar | Zimbabwe |

Table C-2. Currency Codes Arranged by Code

NOTE: This listing includes all markets. Currencies that are available for the London market are in bold italics.

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